

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-58 (Canceled).

Claim 59 (New): A biometric pattern detecting device comprising:

a light source unit configured to emit a light to be reflected or scattered in a part of body; and

a detecting unit configured to detect an image of the light reflected or scattered in the part of body by the light source unit and generate a biometric pattern using the detected image,

wherein the light source unit is set in a horizontal direction or a horizontally slanted direction with respect to the part of body and the detecting unit is set in a vertical direction or a vertical slanted direction with respect to the part of body.

Claim 60 (New): The biometric pattern detecting device according to Claim 5, wherein the detecting unit detects the image of the light reflected or scattered in the body on the different position from the position of the light emitted by light source unit.

Claim 61 (New): The biometric pattern detecting device according to Claim 59, wherein the part of body is a finger or a hand.

Claim 62 (New): The biometric pattern detecting device according to Claim 59, wherein the biometric pattern is a pattern of blood vessels.

Claim 63 (New): The biometric pattern detecting device according to Claim 59, wherein the light is a near-infrared light.

Claim 64 (New): The biometric pattern detecting device according to Claim 59, further comprising:

a guide unit set between the detecting unit and the part of body.

Claim 65 (New): A personal authentication device comprising:

a light source unit configured to emit a light to be reflected or scattered in a part of body;

a detecting unit configured to detect an image of the light reflected or scattered in the part of body by the light source unit and for generating a biometric pattern using the detected image;

a storage unit configured to store a biometric pattern; and

an authentication unit configured to perform an authentication process by comparing the biometric pattern generated by the detecting unit with the biometric pattern stored by the storage unit,

wherein the light source unit is set in a horizontal direction or a horizontally slanted direction with respect to the part of body and the detecting unit is set in a vertical direction or a vertical slanted direction with respect to the part of body.

Claim 66 (New): The personal authentication device according to Claim 65, wherein the detecting unit detects the image of the light reflected or scattered in the body on the different position from the position of the light emitted by light source unit.

Claim 67 (New): The personal authentication device according to Claim 65, wherein the part of body is a finger or a hand.

Claim 68 (New): The personal authentication device according to Claim 65, wherein the biometric pattern is a pattern of blood vessels.

Claim 69 (New): The personal authentication device according to Claim 65, wherein the light is a near-infrared light.

Claim 70 (New): The personal authentication device according to Claim 65, further comprising:

a guide unit is set between the detecting unit and the part of body.

Claim 71 (New): A method of performing personal authentication, comprising:
emitting a light to be reflected or scattered in a part of body;
detecting an image of the light reflected or scattered in the part of body;
generating a biometric pattern using the detected image;
performing an authentication process by comparing the generated biometric pattern with a stored biometric pattern,

wherein the emitted light is emitted from a horizontal direction or a horizontally slanted direction with respect to the part of body and the image of the light reflected is detected in a vertical direction or a vertical slanted direction with respect to the part of body.

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Preliminary Amendment

Claim 72 (New): The method of Claim 71, wherein the part of body is a finger or a hand.

Claim 73 (New): The method of Claim 71 wherein the biometric pattern is a pattern of blood vessels.

Claim 74 (New): The method of Claim 71, wherein the light is a near-infrared light.